

## PATENT COOPERATION TREATY

PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicant's or agent's file reference <b>P99048W01A</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 01/ 09313</b>	International filing date (day/month/year) <b>23/03/2001</b>	(Earliest) Priority Date (day/month/year) <b>23/03/2000</b>
Applicant <b>BRIDGESTONE CORPORATION et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/09313

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F8/32 C08G81/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F C08G C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 905 116 A (X. WANG) 18 May 1999 (1999-05-18) column 3, line 6 - line 22 column 3, line 26 - line 61 column 5, line 54 -column 6, line 5 column 6, line 45 -column 7, line 3 column 7, line 16 - line 38 column 8, line 21 - line 55 column 9, line 27 -column 10, line 13 column 11, line 5 -column 13, line 15; claims 1-23  --- -/--	1-13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

12 October 2001

Date of mailing of the international search report

26/10/2001

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/09313

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 955 329 A (BRIDGESTONE CORPORATION) 10 November 1999 (1999-11-10) page 2, line 5 - line 7 page 3, line 16 - line 44 page 5, line 54 -page 6, line 6 page 6, line 28 - line 41 page 6, line 54 -page 7, line 48 page 8, line 14 -page 9, line 2 page 9, line 23 -page 10, line 33; claims 1-26 ---	1-13
X	EP 0 955 319 A (BRIDGESTONE CORPORATION) 10 November 1999 (1999-11-10) page 2, line 42 - line 49 page 3, line 6 - line 49 page 4, line 56 -page 5, line 46 page 5, line 55 -page 6, line 50 page 7, line 12 -page 9, line 35; claims 1-25 ---	1-13
X	EP 0 955 316 A (BRIDGESTONE CORPORATION) 10 November 1999 (1999-11-10) page 2, line 5 - line 6 page 3, line 12 - line 26 page 4, line 36 -page 5, line 23 page 5, line 31 -page 6, line 27 page 6, line 47 -page 9, line 12; claims 1-23 ---	1-13
A	EP 0 955 320 A (BRIDGESTONE CORPORATION) 10 November 1999 (1999-11-10) claims 1-15 ---	1
A	EP 0 955 317 A (BRIDGESTONE CORPORATION) 10 November 1999 (1999-11-10) claims 1-21 ---	1
A	EP 0 879 832 A (BRIDGESTONE CORPORATION) 25 November 1998 (1998-11-25) claims 1-29 ---	1
A	EP 0 879 831 A (BRIDGESTONE CORPORATION) 25 November 1998 (1998-11-25) claims 1-25 ---	1
A	EP 0 924 225 A (BRIDGESTONE CORPORATION) 23 June 1999 (1999-06-23) claims 1-24 -----	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/09313

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5905116	A	18-05-1999	EP 0955318 A1 JP 2000026600 A	10-11-1999 25-01-2000
EP 955329	A	10-11-1999	US 6054532 A EP 0955329 A1 JP 11343320 A	25-04-2000 10-11-1999 14-12-1999
EP 955319	A	10-11-1999	US 6204354 B1 EP 0955319 A1 JP 11343345 A	20-03-2001 10-11-1999 14-12-1999
EP 955316	A	10-11-1999	US 6248825 B1 EP 0955316 A1 JP 2000026599 A	19-06-2001 10-11-1999 25-01-2000
EP 955320	A	10-11-1999	US 6107409 A EP 0955320 A1 JP 11343342 A	22-08-2000 10-11-1999 14-12-1999
EP 955317	A	10-11-1999	US 6048930 A EP 0955317 A1 JP 11335492 A	11-04-2000 10-11-1999 07-12-1999
EP 879832	A	25-11-1998	US 5910530 A CA 2237502 A1 EP 0879832 A1 JP 10316831 A	08-06-1999 19-11-1998 25-11-1998 02-12-1998
EP 879831	A	25-11-1998	US 5912296 A CA 2237453 A1 EP 0879831 A1 JP 10316812 A	15-06-1999 19-11-1998 25-11-1998 02-12-1998
EP 924225	A	23-06-1999	US 6248827 B1 EP 0924225 A1 JP 11240922 A	19-06-2001 23-06-1999 07-09-1999